

CLAIMS

What is claimed is:

SUB A17

1. A method of applying interval-based adjustments to data in a database,
comprising:
 - 5 storing a plurality of raw data values organized as a series in a first database structure;
for the series of raw data values, storing a plurality of intervals of adjustment data, including an adjustment value, in a second database structure;
and
 - 10 associating the first and second database structures so the adjustment value is applied to the series of raw data values in response to retrieval of an adjusted data value from the database.
2. The method of Claim 1 further comprising:
 - 15 computing the adjustment value for each interval of adjustment data in response to the addition of a subsequent interval of adjustment data.
3. The method of Claim 1 wherein associating comprises mapping the second database structure to the first database structure.
4. The method of Claim 1 wherein the raw data values represent a time series.
5. The method of Claim 4 wherein the time series tracks financial data.
- 20 6. The method of Claim 5 wherein the financial data is a currency valuation.
7. The method of Claim 5 wherein the financial data is a securities valuation.

8. The method of Claim 4 wherein associating comprises creating a view of the database that includes the raw data values and the adjustment value.
9. The method of Claim 1 wherein the adjustment data includes data for a pending adjustment.
- 5 10. The method of Claim 9 further comprising computing an adjustment value from the data for a pending adjustment in response to retrieval of an adjusted data value from the database.
11. A method of applying interval-based adjustments to data in a database, comprising:
 - 10 storing a plurality of raw data values organized as a time series in a first database structure;
 - for the time series, storing a plurality of intervals of time-based adjustment data, including an adjustment value, in a second database structure;
 - creating a view of the database to include the first and second database structures; and
 - 15 in response to a query for adjusted data values, using the view to apply the adjustment value to the raw data values during retrieval of the raw data from the database.
12. The method of Claim 11 further comprising computing the adjustment value for
20 each interval of adjustment data in response to the addition of a subsequent interval of adjustment data.
13. The method of Claim 11 wherein creating the view comprises mapping the second database structure to the first database structure.

14. The method of Claim 11 wherein the time series tracks financial data.
15. The method of Claim 14 wherein the financial data is a currency valuation.
16. The method of Claim 14 wherein the financial data is a securities valuation.
- 5 17. The method of Claim 11 wherein the adjustment data includes data for a pending adjustment.
18. The method of Claim 17 further comprising computing an adjustment value from the data for a pending adjustment in response to retrieval of an adjusted data value from the database.
- 10 19. A system for applying interval-based adjustments to data in a database, comprising:
a first database structure storing a plurality of raw data values organized as a series;
a second database structure, storing a plurality of intervals of adjustment data, including an adjustment value, for the series of raw data values; and
15 an association between the first and second database structures so the adjustment value is applied to the series of raw data values in response to retrieval of an adjusted data value from the database.
20. The system of Claim 19 further wherein:
the adjustment value for each interval of adjustment data is computed in
20 response to the addition of a subsequent interval of adjustment data.
21. The system of Claim 19 wherein the association comprises a map structure mapping the second database structure to the first database structure.

22. The system of Claim 19 wherein the raw data values represent a time series.
23. The system of Claim 22 wherein the time series tracks financial data.
24. The system of Claim 23 wherein the financial data is a currency valuation.
- 5 25. The system of Claim 23 wherein the financial data is a securities valuation.
26. The system of Claim 22 wherein the association comprises a view of the database that includes the raw data values and the adjustment value.
27. The system of Claim 17 wherein the adjustment data includes data for a pending adjustment.
- 10 28. The system of Claim 27 further comprising an adjustment value computed from the data for a pending adjustment in response to retrieval of an adjusted data value from the database.
29. A system for applying interval-based adjustments to data in a database, comprising:
 - 15 a first database structure storing a plurality of raw data values organized as a time series;
 - a second database structure storing a plurality of intervals of time-based adjustment data, including an adjustment value, for the time series;
 - a view of the database including the first and second database structures;
 - 20 and
 - in response to a query for adjusted data values, using the view to apply the adjustment value to the raw data values during retrieval of the raw data from the database.

30. The system of Claim 29 wherein the adjustment value for each interval of adjustment data is computed in response to the addition of a subsequent interval of adjustment data.
- 5 31. The system of Claim 29 wherein the view comprises a map structure mapping the second database structure to the first database structure.
32. The system of Claim 29 wherein the time series tracks financial data.
33. The system of Claim 32 wherein the financial data is a currency valuation.
34. The system of Claim 32 wherein the financial data is a securities valuation.
- 10 35. The system of Claim 29 wherein the adjustment data includes data for a pending adjustment.
36. The system of Claim 35 further comprising an adjustment value computed from the data for a pending adjustment in response to retrieval of an adjusted data value from the database.
- 15 37. An article of manufacture comprising:
a computer-readable medium,
computer instructions encoded on the medium for applying interval-based adjustments to data in a database, comprising instructions for:
storing a plurality of raw data values organized as a series in a
20 first database structure;
storing a plurality of intervals of adjustment data, including an adjustment value, in a second database structure for the series of raw data values; and

associating the first and second database structures so the adjustment value is applied to the series of raw data values in response to retrieval of an adjusted data value from the database.

38. The article of Claim 37 further comprising instructions for:
5 computing the adjustment value for each interval of adjustment data in response to the addition of a subsequent interval of adjustment data.
39. The article of Claim 37 wherein associating comprises mapping the second database structure to the first database structure.
40. The article of Claim 37 wherein the raw data values represent a time series.
- 10 41. The article of Claim 40 wherein the time series tracks financial data.
42. The article of Claim 41 wherein the financial data is a currency valuation.
43. The article of Claim 41 wherein the financial data is a securities valuation.
44. The article of Claim 40 wherein associating comprises creating a view of the
15 database that includes the raw data values and the adjustment value.
45. The article of Claim 37 wherein the adjustment data includes data for a pending adjustment.
46. The article of Claim 45 further comprising instructions for computing an
20 adjustment value from the data for a pending adjustment in response to retrieval of an adjusted data value from the database.

47. An article of manufacture comprising a computer-readable medium;
computer instructions encoded on the medium for applying interval-based
adjustments to data in a database, comprising instructions for:
storing a plurality of raw data values organized as a time series in
a first database structure;
storing a plurality of intervals of time-based adjustment data,
including an adjustment value, in a second database structure for the time
series;
creating a view of the database to include the first and second
database structures; and
in response to a query for adjusted data values, using the view to
apply the adjustment value to the raw data values during retrieval of the
raw data from the database.
48. The article of Claim 47 further comprising instructions for computing the
adjustment value for each interval of adjustment data in response to the addition
of a subsequent interval of adjustment data.
49. The article of Claim 47 wherein creating the view comprises mapping the second
database structure to the first database structure.
50. The article of Claim 47 wherein the time series tracks financial data.
51. The article of Claim 50 wherein the financial data is a currency valuation.
52. The article of Claim 50 wherein the financial data is a securities valuation.
53. The article of Claim 47 wherein the adjustment data includes data for a pending
adjustment.

54. The article of Claim 53 further comprising computing an adjustment value from the data for a pending adjustment in response to retrieval of an adjusted data value from the database.

ADD A27

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